

```

name: <unnamed>
log: /Users/Owsiak/Dropbox/CM Territorial Issues (Mitchell and Owsiak)/ISA 2024/Environment and Security/Replicat
> ion Files/Replication Log.smcl
log type: smcl
opened on: 18 Mar 2025, 14:50:00

```

```

1 . do "/var/folders/lk/7gdbhd5s7v76_gcvd9s7v2mc0000gn/T//SD27739.000000"

2 . *Replication file for: Owsiak, Andrew P., and Sara McLaughlin Mitchell. 2025. Conflict Management as an Insular Strateg
> y? Comparing Dyadic Learning of Dispute Resolution Strategies across Geopolitical Issues. Environment and Security.
3 .
4 .
5 . *Main text
6 .
7 . *Table 1. Peaceful conflict management. Adapted from Owsiak and Mitchell (2019). Text only.
8 .
9 . *Table 2. Summary of Owsiak and Mitchell (2019). Text only.
10 .
11 . *Table 3. Issue rivals, contentious issues, and conflict management.
12 . use "cm_as_an_insular_strategy.dta", replace

```

```

13 .
14 . tab ir_three_code if ir_obs==1

```

0=Not IR/1=IR, not multi/2=IR and multi	Freq.	Percent	Cum.
0	119	61.03	61.03
1	48	24.62	85.64
2	28	14.36	100.00
Total	195	100.00	

```

15 .
16 . tab region if ir_three_code==0 & ir_obs==1

```

region	Freq.	Percent	Cum.
1	53	44.54	44.54
2	60	50.42	94.96
4	6	5.04	100.00
Total	119	100.00	

```

17 . tab region if ir_three_code==1 & ir_obs==1

```

region	Freq.	Percent	Cum.
1	15	31.25	31.25
2	17	35.42	66.67
4	16	33.33	100.00
Total	48	100.00	

```

18 . tab region if ir_three_code==2 & ir_obs==1

```

region	Freq.	Percent	Cum.
1	20	71.43	71.43
2	7	25.00	96.43
4	1	3.57	100.00

	Freq.	Percent	Cum.
Total	28	100.00	

19 . tab region if ir_obs==1

region	Freq.	Percent	Cum.
1	88	45.13	45.13
2	84	43.08	88.21
4	23	11.79	100.00
Total	195	100.00	

20 .

21 . tab terriss if ir_three_code==0 & ir_obs==1 & max_mariss==0 & max_riveriss==0

terriss	Freq.	Percent	Cum.
1	49	100.00	100.00
Total	49	100.00	

22 . tab terriss if ir_three_code==1 & ir_obs==1 & max_mariss==0 & max_riveriss==0

terriss	Freq.	Percent	Cum.
1	21	100.00	100.00
Total	21	100.00	

23 . tab terriss if ir_three_code==2 & ir_obs==1 & max_mariss==0 & max_riveriss==0
no observations

24 . tab terriss if ir_obs==1 & max_mariss==0 & max_riveriss==0

terriss	Freq.	Percent	Cum.
1	70	100.00	100.00
Total	70	100.00	

25 .

26 . tab riveriss if ir_three_code==0 & ir_obs==1 & max_mariss==0 & max_terriss==0

riveriss	Freq.	Percent	Cum.
1	3	100.00	100.00
Total	3	100.00	

27 . tab riveriss if ir_three_code==1 & ir_obs==1 & max_mariss==0 & max_terriss==0

riveriss	Freq.	Percent	Cum.
1	8	100.00	100.00
Total	8	100.00	

28 . tab riveriss if ir_three_code==2 & ir_obs==1 & max_mariss==0 & max_terriss==0
no observations

29 . tab riveriss if ir_obs==1 & max_mariss==0 & max_terriss==0

riveriss	Freq.	Percent	Cum.

1	11	100.00	100.00
Total	11	100.00	

30 .

31 . tab mariss if ir_three_code==0 & ir_obs==1 & max_riveriss==0 & max_terriss==0

mariss	Freq.	Percent	Cum.
1	60	100.00	100.00
Total	60	100.00	

32 . tab mariss if ir_three_code==1 & ir_obs==1 & max_riveriss==0 & max_terriss==0

mariss	Freq.	Percent	Cum.
1	19	100.00	100.00
Total	19	100.00	

33 . tab mariss if ir_three_code==2 & ir_obs==1 & max_riveriss==0 & max_terriss==0
no observations

34 . tab mariss if ir_obs==1 & max_riveriss==0 & max_terriss==0

mariss	Freq.	Percent	Cum.
1	79	100.00	100.00
Total	79	100.00	

35 .

36 . tab ir2_terr_riv if ir_three_code==0 & ir_obs==1

ir2_terr_riv	Freq.	Percent	Cum.
1	1	100.00	100.00
Total	1	100.00	

37 . tab ir2_terr_riv if ir_three_code==1 & ir_obs==1
no observations

38 . tab ir2_terr_riv if ir_three_code==2 & ir_obs==1

ir2_terr_riv	Freq.	Percent	Cum.
1	3	100.00	100.00
Total	3	100.00	

39 . tab ir2_terr_riv if ir_obs==1

ir2_terr_riv	Freq.	Percent	Cum.
1	4	100.00	100.00
Total	4	100.00	

40 .

41 . tab ir2_terr_mar if ir_three_code==0 & ir_obs==1

ir2_terr_ma r	Freq.	Percent	Cum.
1	5	100.00	100.00
Total	5	100.00	

42 . tab ir2_terr_mar if ir_three_code==1 & ir_obs==1
no observations

43 . tab ir2_terr_mar if ir_three_code==2 & ir_obs==1

ir2_terr_ma r	Freq.	Percent	Cum.
1	20	100.00	100.00
Total	20	100.00	

44 . tab ir2_terr_mar if ir_obs==1

ir2_terr_ma r	Freq.	Percent	Cum.
1	25	100.00	100.00
Total	25	100.00	

45 .

46 . tab ir2_riv_mar if ir_three_code==0 & ir_obs==1
no observations

47 . tab ir2_riv_mar if ir_three_code==1 & ir_obs==1
no observations

48 . tab ir2_riv_mar if ir_three_code==2 & ir_obs==1

ir2_riv_mar	Freq.	Percent	Cum.
1	4	100.00	100.00
Total	4	100.00	

49 . tab ir2_riv_mar if ir_obs==1

ir2_riv_mar	Freq.	Percent	Cum.
1	4	100.00	100.00
Total	4	100.00	

50 .

51 . tab ir2_terr_riv_mar if ir_three_code==0 & ir_obs==1

ir2_terr_riv_mar	Freq.	Percent	Cum.
1	1	100.00	100.00
Total	1	100.00	

52 . tab ir2_terr_riv_mar if ir_three_code==1 & ir_obs==1
no observations

```
53 . tab ir2_terr_riv_mar if ir_three_code==2 & ir_obs==1
```

ir2_terr_riv_mar	Freq.	Percent	Cum.
1	1	100.00	100.00
Total	1	100.00	

```
54 . tab ir2_terr_riv_mar if ir_obs==1
```

ir2_terr_riv_mar	Freq.	Percent	Cum.
1	2	100.00	100.00
Total	2	100.00	

```
55 .
```

```
56 . tab cmttype if ir_three_code==0
```

1=bilat neg/2=multi neg/3=3nonb /4=3b/5=oth er peaceful/6= MID	Freq.	Percent	Cum.
1	423	60.78	60.78
2	61	8.76	69.54
3	71	10.20	79.74
4	31	4.45	84.20
5	8	1.15	85.34
6	102	14.66	100.00
Total	696	100.00	

```
57 . tab cmttype if ir_three_code==1
```

1=bilat neg/2=multi neg/3=3nonb /4=3b/5=oth er peaceful/6= MID	Freq.	Percent	Cum.
1	234	49.58	49.58
2	39	8.26	57.84
3	79	16.74	74.58
4	20	4.24	78.81
5	10	2.12	80.93
6	90	19.07	100.00
Total	472	100.00	

```
58 . tab cmttype if ir_three_code==2
```

1=bilat neg/2=multi neg/3=3nonb /4=3b/5=oth er peaceful/6=

MID	Freq.	Percent	Cum.
1	522	58.32	58.32
2	24	2.68	61.01
3	167	18.66	79.66
4	22	2.46	82.12
5	26	2.91	85.03
6	134	14.97	100.00
Total	895	100.00	

```
59 . tab cmttype
```

```
1=bilat
neg/2=multi
neg/3=3nonb
/4=3b/5=oth
er
peaceful/6=
```

MID	Freq.	Percent	Cum.
1	1,179	57.15	57.15
2	124	6.01	63.16
3	317	15.37	78.53
4	73	3.54	82.06
5	44	2.13	84.20
6	326	15.80	100.00
Total	2,063	100.00	

```
60 .
```

```
61 . sum intercession_month if ir_three_code==0, d
```

Time (in months) since last cm attempt in
issue-rivalry (caution with mm==00)

Percentiles	Smallest		
1%	1	1	
5%	1	1	
10%	2	1	Obs 571
25%	4	1	Sum of wgt. 571
50%	14		Mean 51.18564
		Largest	Std. dev. 113.9771
75%	44	771	
90%	120	773	Variance 12990.77
95%	248	916	Skewness 4.613428
99%	654	967	Kurtosis 28.0784

```
62 . sum intercession_month if ir_three_code==1, d
```

Time (in months) since last cm attempt in
issue-rivalry (caution with mm==00)

Percentiles	Smallest		
1%	1	1	
5%	1	1	
10%	2	1	Obs 422
25%	6	1	Sum of wgt. 422
50%	14		Mean 42.8981
		Largest	Std. dev. 83.67013
75%	36	482	
90%	106	532	Variance 7000.69
95%	181	664	Skewness 4.209968

99% **463** **669** Kurtosis **24.7498**

63 . sum intercession_month if ir_three_code==2, d

Time (in months) since last cm attempt in
issue-rivalry (caution with mm==00)

Percentiles		Smallest		
1%	1	0		
5%	1	0		
10%	1	0	Obs	859
25%	4	1	Sum of wgt.	859
50%		10	Mean	29.3539
			Std. dev.	71.40497
75%	26	600		
90%	60	623	Variance	5098.669
95%	114	971	Skewness	7.799844
99%	288	971	Kurtosis	85.9052

64 . sum intercession_month , d

Time (in months) since last cm attempt in
issue-rivalry (caution with mm==00)

Percentiles		Smallest		
1%	1	0		
5%	1	0		
10%	2	0	Obs	1,852
25%	4	1	Sum of wgt.	1,852
50%		12	Mean	39.17117
			Std. dev.	89.71339
75%	32.5	916		
90%	87	967	Variance	8048.493
95%	170	971	Skewness	5.638044
99%	482	971	Kurtosis	43.68796

65 .

66 . *Table 4. Constructing the familiarity variables in a multi-issue rivalry's territorial claim(s). Text only.

67 .

68 . *Table 5. Effect of past conflict management on the use of conflict management strategies. Summary of results from Tables A3-A6 (below). Text only.

69 .

70 . *Table 6. Effect of past successful conflict management on the use of conflict management strategies. Summary of results from Tables A3-A6 (below). Text only.

71 .

72 . *Table 7. Summary of findings on learning in the management of contentious issues. Summary of results from Tables 5-6. Text/counts only.

73 .

74 .

75 . *Appendix

76 . use "cm_as_an_insular_strategy.dta", replace

77 .

78 . *Table A1 (online appendix)

79 . summ terrbilat terr3nonb terr3b terrmultineg if ir_three==2 & year<2002

Variable	Obs	Mean	Std. dev.	Min	Max
terrbilat	895	.3452514	.475716	0	1
terr3nonb	895	.0994413	.299421	0	1
terr3b	895	.0156425	.1241571	0	1
terrmultineg	895	.0145251	.1197087	0	1

```
80 . summ rivbilat riv3nonb riv3b rivmultineg if ir_three==2 & year<2002
```

Variable	Obs	Mean	Std. dev.	Min	Max
rivbilat	895	.0804469	.2721359	0	1
riv3nonb	895	.0268156	.1616346	0	1
riv3b	895	.0022346	.0472455	0	1
rivmultineg	895	.0011173	.0334263	0	1

```
81 . summ marbilat mar3nonb mar3b marmultineg if ir_three==2 & year<2002
```

Variable	Obs	Mean	Std. dev.	Min	Max
marbilat	895	.1575419	.3645146	0	1
mar3nonb	895	.0603352	.23824	0	1
mar3b	895	.0067039	.0816481	0	1
marmultineg	895	.0111732	.1051699	0	1

```
82 . summ l_ratio_terrbilat_peacefulcm l_ratio_terr3nonb_peacefulcm l_ratio_terr3b_peacefulcm l_ratio_terrmn_peacefulcm if i > r_three==2 & year<2002
```

Variable	Obs	Mean	Std. dev.	Min	Max
l_ratio_te..	895	.4699384	.3451473	0	1
l_ratio_te..	895	.1116021	.1490977	0	.8333333
l_ratio_te..	895	.0159467	.0439297	0	.3333333
l_ratio_te..	895	.0268871	.1270606	0	1

```
83 . summ l_ratio_rivbilat_peacefulcm l_ratio_riv3nonb_peacefulcm l_ratio_riv3b_peacefulcm l_ratio_rivmn_peacefulcm if ir_th > ree==2 & year<2002
```

Variable	Obs	Mean	Std. dev.	Min	Max
l_ratio_ri..	895	.062628	.1401615	0	1
l_ratio_ri..	895	.0314992	.0981622	0	1
l_ratio_ri..	895	.0008872	.0083387	0	.1111111
l_ratio_ri..	895	.0003168	.0029922	0	.0322581

```
84 . summ l_ratio_marbilat_peacefulcm l_ratio_mar3nonb_peacefulcm l_ratio_mar3b_peacefulcm l_ratio_marmn_peacefulcm if ir_th > ree==2 & year<2002
```

Variable	Obs	Mean	Std. dev.	Min	Max
l_ratio_ma..	895	.1266544	.188489	0	1
l_ratio_ma..	895	.0412244	.0851938	0	.5263158
l_ratio_ma..	895	.0030529	.0112368	0	.0769231
l_ratio_ma..	895	.018314	.0558962	0	.6666667

```
85 . summ l_ratio_sterrbilat_terrbilat l_ratio_sterr3nonb_terr3nonb l_ratio_sterr3b_terr3b l_ratio_sterrmn_terrmn if ir_thre > e==2 & year<2002
```

Variable	Obs	Mean	Std. dev.	Min	Max
l_ratio_st~t	895	.3950534	.3224938	0	1
l_ra~rr3nonb	895	.2353336	.3496183	0	1
l_ratio~rr3b	895	.1698324	.3756954	0	1
l_ratio_st~n	895	.0266773	.1045474	0	1

```
86 . summ l_ratio_srivbilat_rivbilat l_ratio_sriv3nonb_riv3nonb l_ratio_sriv3b_riv3b l_ratio_srivmn_rivmn if ir_three==2 & y > ear<2002
```

Variable	Obs	Mean	Std. dev.	Min	Max
l_ratio_sr~t	895	.1424402	.295381	0	1
l_rat~v3nonb	895	.0849676	.2397629	0	1

l_ratio_~v3b	895	.0145251	.1197087	0	1
l_ratio_sr~n	895	.0111732	.1051699	0	1

```
87 . summ l_ratio_smarbilat_marbilat l_ratio_smar3nonb_mar3nonb l_ratio_smar3b_mar3b l_ratio_smar3n_mar3n if ir_three==2 & year<2002
```

Variable	Obs	Mean	Std. dev.	Min	Max
l_ratio_sm~t	895	.3256484	.3959952	0	1
l_ra~ar3nonb	895	.1591507	.3266896	0	1
l_ratio~ar3b	895	.0815642	.270772	0	1
l_ratio_sm~n	895	.1575419	.3622058	0	1

```
88 . summ icowsal recmidwt chal_cinc_share jtdem duration duration2 duration3 if ir_three==2 & year<2002
```

Variable	Obs	Mean	Std. dev.	Min	Max
icowsal	894	7.576063	1.912805	0	12
recmidwt	893	.4678611	.7994306	0	4.2
chal_cinc~e	895	.4211045	.31471	.0002345	.9979128
jtdem	861	.3867596	.4872909	0	1
duration	893	39.8925	40.95951	1	161
duration2	893	3267.214	5726.856	1	25921
duration3	893	351969.2	827917.3	1	4173281

```
89 .
90 . *Table A2 (online appendix; table reports left column of each crosstabulation for space reasons)
91 . tab ir_three_code terrbilat, row chi2 gamma
```

Key
frequency
row percentage

0=Not IR/1=IR, not multi/2=IR and multi	Bilateral neg in terr claims		Total
	0	1	
0	426 61.21	270 38.79	696 100.00
1	329 69.70	143 30.30	472 100.00
2	586 65.47	309 34.53	895 100.00
Total	1,341 65.00	722 35.00	2,063 100.00

Pearson chi2(2) = 9.0803 Pr = 0.011
gamma = -0.0586 ASE = 0.039

```
92 . tab ir_three_code rivbilat, row chi2 gamma
```

Key
frequency
row percentage

0=Not IR/1=IR, not multi/2=IR and multi	Bilateral neg in riv claims		Total
	0	1	
0	678 97.41	18 2.59	696 100.00
1	438 92.80	34 7.20	472 100.00
2	823 91.96	72 8.04	895 100.00
Total	1,939 93.99	124 6.01	2,063 100.00

Pearson chi2(2) = 22.1905 Pr = 0.000
gamma = 0.3422 ASE = 0.069

93 . tab ir_three_code marbilat, row chi2 gamma

Key
<i>frequency</i>
<i>row percentage</i>

0=Not IR/1=IR, not multi/2=IR and multi	Bilateral neg in mar claims		Total
	0	1	
0	561 80.60	135 19.40	696 100.00
1	415 87.92	57 12.08	472 100.00
2	754 84.25	141 15.75	895 100.00
Total	1,730 83.86	333 16.14	2,063 100.00

Pearson chi2(2) = 11.3098 Pr = 0.004
gamma = -0.0842 ASE = 0.051

94 .
95 . tab ir_three_code terrmulti, row chi2 gamma

Key
<i>frequency</i>
<i>row percentage</i>

0=Not
IR/1=IR, |

not multi/2=IR and multi	Multilateral neg in terr claims		Total
	0	1	
0	689 98.99	7 1.01	696 100.00
1	460 97.46	12 2.54	472 100.00
2	882 98.55	13 1.45	895 100.00
Total	2,031 98.45	32 1.55	2,063 100.00

Pearson chi2(2) = 4.4496 Pr = 0.108
 gamma = 0.0747 ASE = 0.129

```
96 . tab ir_three_code rivmulti, row chi2 gamma
```

Key
<i>frequency</i>
<i>row percentage</i>

0=Not IR/1=IR, not multi/2=IR and multi	Multilateral neg in riv claims		Total
	0	1	
0	695 99.86	1 0.14	696 100.00
1	464 98.31	8 1.69	472 100.00
2	894 99.89	1 0.11	895 100.00
Total	2,053 99.52	10 0.48	2,063 100.00

Pearson chi2(2) = 18.5899 Pr = 0.000
 gamma = -0.1176 ASE = 0.118

```
97 . tab ir_three_code marmulti, row chi2 gamma
```

Key
<i>frequency</i>
<i>row percentage</i>

0=Not IR/1=IR, not multi/2=IR and multi	Multilateral neg in mar claims		Total
	0	1	
0	643	53	696

	92.39	7.61	100.00
1	453 95.97	19 4.03	472 100.00
2	885 98.88	10 1.12	895 100.00
Total	1,981 96.03	82 3.97	2,063 100.00

Pearson chi2(2) = 43.3124 Pr = 0.000
 gamma = -0.5820 ASE = 0.068

```
98 .
99 . tab ir_three_code terrmid, row chi2 gamma
```

Key
<i>frequency</i>
<i>row percentage</i>

0=Not IR/1=IR, not multi/2=IR and multi	MID in terr claims		Total
	0	1	
0	649 93.25	47 6.75	696 100.00
1	397 84.11	75 15.89	472 100.00
2	812 90.73	83 9.27	895 100.00
Total	1,858 90.06	205 9.94	2,063 100.00

Pearson chi2(2) = 27.0138 Pr = 0.000
 gamma = 0.0702 ASE = 0.055

```
100 . tab ir_three_code rivmid, row chi2 gamma
```

Key
<i>frequency</i>
<i>row percentage</i>

0=Not IR/1=IR, not multi/2=IR and multi	MID in riv claims		Total
	0	1	
0	695 99.86	1 0.14	696 100.00
1	467 98.94	5 1.06	472 100.00

2	882 98.55	13 1.45	895 100.00
Total	2,044 99.08	19 0.92	2,063 100.00

Pearson chi2(2) = 7.4785 Pr = 0.024
 gamma = 0.5268 ASE = 0.151

101 . tab ir_three_code marmid, row chi2 gamma

Key
<i>frequency</i> <i>row percentage</i>

0=Not IR/1=IR, not multi/2=IR and multi	MID in mar claims		Total
	0	1	
0	642 92.24	54 7.76	696 100.00
1	462 97.88	10 2.12	472 100.00
2	857 95.75	38 4.25	895 100.00
Total	1,961 95.06	102 4.94	2,063 100.00

Pearson chi2(2) = 20.6772 Pr = 0.000
 gamma = -0.2452 ASE = 0.089

102 .
 103 . tab ir_three_code terr3nonb, row chi2 gamma

Key
<i>frequency</i> <i>row percentage</i>

0=Not IR/1=IR, not multi/2=IR and multi	Non-binding 3rd party cm in terr claims		Total
	0	1	
0	652 93.68	44 6.32	696 100.00
1	426 90.25	46 9.75	472 100.00
2	806 90.06	89 9.94	895 100.00

Total	1,884	179	2,063
	91.32	8.68	100.00

Pearson chi2(2) = **7.3661** Pr = **0.025**
 gamma = **0.1595** ASE = **0.063**

104 . tab ir_three_code riv3nonb, row chi2 gamma

Key
<i>frequency</i>
<i>row percentage</i>

0=Not IR/1=IR, not multi/2=IR and multi	Non-binding 3rd party cm in river claims		Total
	0	1	
0	693	3	696
	99.57	0.43	100.00
1	453	19	472
	95.97	4.03	100.00
2	871	24	895
	97.32	2.68	100.00
Total	2,017	46	2,063
	97.77	2.23	100.00

Pearson chi2(2) = **18.1485** Pr = **0.000**
 gamma = **0.3293** ASE = **0.095**

105 . tab ir_three_code mar3nonb, row chi2 gamma

Key
<i>frequency</i>
<i>row percentage</i>

0=Not IR/1=IR, not multi/2=IR and multi	Non-binding 3rd party cm in maritime claims		Total
	0	1	
0	672	24	696
	96.55	3.45	100.00
1	458	14	472
	97.03	2.97	100.00
2	841	54	895
	93.97	6.03	100.00
Total	1,971	92	2,063
	95.54	4.46	100.00

Pearson chi2(2) = **9.3455** Pr = **0.009**
 gamma = **0.2424** ASE = **0.092**

```
106 .
107 . tab ir_three_code terr3b, row chi2 gamma
```

Key
<i>frequency</i>
<i>row percentage</i>

0=Not IR/1=IR, not multi/2=IR and multi	Binding 3rd party cm in terr claims		Total
	0	1	
0	676 97.13	20 2.87	696 100.00
1	464 98.31	8 1.69	472 100.00
2	881 98.44	14 1.56	895 100.00
Total	2,021 97.96	42 2.04	2,063 100.00

Pearson chi2(2) = 3.7221 Pr = 0.156
gamma = -0.2274 ASE = 0.128

```
108 . tab ir_three_code riv3b, row chi2 gamma
```

Key
<i>frequency</i>
<i>row percentage</i>

0=Not IR/1=IR, not multi/2=IR and multi	Binding 3rd party cm in river claims		Total
	0	1	
0	696 100.00	0 0.00	696 100.00
1	467 98.94	5 1.06	472 100.00
2	893 99.78	2 0.22	895 100.00
Total	2,056 99.66	7 0.34	2,063 100.00

Pearson chi2(2) = 9.9608 Pr = 0.007
gamma = 0.1306 ASE = 0.166

```
109 . tab ir_three_code mar3b, row chi2 gamma
```

Key
<i>frequency</i>
<i>row percentage</i>

Key
<i>frequency</i>
<i>row percentage</i>

	Binding 3rd party cm in maritime claims		Total
	0	1	
0	685 98.42	11 1.58	696 100.00
1	465 98.52	7 1.48	472 100.00
2	889 99.33	6 0.67	895 100.00
Total	2,039 98.84	24 1.16	2,063 100.00

Pearson chi2(2) = 3.3642 Pr = 0.186
gamma = -0.2872 ASE = 0.150

```
110 .
111 . *Table A3 (online appendix)
112 . firthlogit terrbilat l_ratio_terrbilat_peacefulcm l_ratio_rivbilat_peacefulcm l_ratio_marbilat_peacefulcm icowsal recmi
> dwt chal_cinc_share jtdem duration duration2 duration3 if ir_three==2 & year<2002
```

```
initial:      penalized log likelihood = -511.82458
rescale:      penalized log likelihood = -511.82458
Iteration 0:  penalized log likelihood = -511.82458
Iteration 1:  penalized log likelihood = -393.13936 (not concave)
Iteration 2:  penalized log likelihood = -388.31711
Iteration 3:  penalized log likelihood = -386.11068
Iteration 4:  penalized log likelihood = -385.88867
Iteration 5:  penalized log likelihood = -385.88862
Iteration 6:  penalized log likelihood = -385.88862
```

Number of obs = 858
Wald chi2(10) = 161.63
Prob > chi2 = 0.0000

Penalized log likelihood = -385.88862

terrbilat	Coefficient	Std. err.	z	P> z	[95% conf. interval]	
l_ratio_terrbilat_peacefulcm	2.419943	.3218313	7.52	0.000	1.789165	3.050721
l_ratio_rivbilat_peacefulcm	-2.831658	.9575224	-2.96	0.003	-4.708367	-.9549482
l_ratio_marbilat_peacefulcm	-2.754857	.70551	-3.90	0.000	-4.137631	-1.372083
icowsal	-.2257236	.0464247	-4.86	0.000	-.3167143	-.1347329
recmidwt	-.4177854	.115072	-3.63	0.000	-.6433224	-.1922485
chal_cinc_share	-.3365159	.2888785	-1.16	0.244	-.9027073	.2296755
jtdem	.4101317	.2040861	2.01	0.044	.0101304	.810133
duration	.0381171	.0161434	2.36	0.018	.0064766	.0697576
duration2	-.0006333	.0002763	-2.29	0.022	-.0011749	-.0000917
duration3	3.32e-06	1.24e-06	2.69	0.007	8.98e-07	5.75e-06
_cons	-.2734044	.4345924	-0.63	0.529	-1.12519	.5783811

```
113 .
114 . estimates store t1m1
```

```

115 .
116 . firthlogit terrbilat l_ratio_sterrbilat_terrabilat l_ratio_srivbilat_rivabilat l_ratio_smarbilat_marabilat icowsal recmidw
> t chal_cinc_share jt dem duration duration2 duration3 if ir_three==2 & year<2002

```

```

initial:      penalized log likelihood = -510.29305
rescale:      penalized log likelihood = -510.29305
Iteration 0:  penalized log likelihood = -510.29305
Iteration 1:  penalized log likelihood = -446.26319
Iteration 2:  penalized log likelihood = -443.80155
Iteration 3:  penalized log likelihood = -443.78063
Iteration 4:  penalized log likelihood = -443.78063

```

```

Number of obs = 858
Wald chi2(10) = 97.59
Prob > chi2 = 0.0000

```

```
Penalized log likelihood = -443.78063
```

	Coefficient	Std. err.	z	P> z	[95% conf. interval]	
terrabilat						
l_ratio_sterrbilat_terrabilat	.1318998	.2618596	0.50	0.614	-.3813357	.6451352
l_ratio_srivbilat_rivabilat	-1.733959	.3573112	-4.85	0.000	-2.434276	-1.033642
l_ratio_smarbilat_marabilat	-1.021212	.2414234	-4.23	0.000	-1.494393	-.5480311
icowsal	-.177124	.0415236	-4.27	0.000	-.2585087	-.0957394
recmidwt	-.4690994	.1110109	-4.23	0.000	-.6866768	-.251522
chal_cinc_share	-.7221317	.2819909	-2.56	0.010	-1.274824	-.1694398
jt dem	-.0706797	.1882894	-0.38	0.707	-.4397201	.2983607
duration	.0591302	.0145677	4.06	0.000	.030578	.0876824
duration2	-.0008901	.0002516	-3.54	0.000	-.0013832	-.0003969
duration3	3.93e-06	1.13e-06	3.47	0.001	1.71e-06	6.15e-06
_cons	.8194845	.3715704	2.21	0.027	.0912199	1.547749

```

117 .
118 . estimates store t1m2

```

```

119 .
120 . firthlogit rivbilat l_ratio_terrabilat_peacefulcm l_ratio_rivabilat_peacefulcm l_ratio_marabilat_peacefulcm icowsal recmidw
> wt chal_cinc_share jt dem duration duration2 duration3 if ir_three==2 & year<2002

```

```

initial:      penalized log likelihood = -208.55436
rescale:      penalized log likelihood = -208.55436
Iteration 0:  penalized log likelihood = -208.55436
Iteration 1:  penalized log likelihood = -188.99612 (not concave)
Iteration 2:  penalized log likelihood = -152.12336 (not concave)
Iteration 3:  penalized log likelihood = -149.53897
Iteration 4:  penalized log likelihood = -148.22488
Iteration 5:  penalized log likelihood = -147.60601
Iteration 6:  penalized log likelihood = -147.56888
Iteration 7:  penalized log likelihood = -147.56848
Iteration 8:  penalized log likelihood = -147.56848

```

```

Number of obs = 858
Wald chi2(10) = 81.97
Prob > chi2 = 0.0000

```

```
Penalized log likelihood = -147.56848
```

	Coefficient	Std. err.	z	P> z	[95% conf. interval]	
rivabilat						
l_ratio_terrabilat_peacefulcm	.989904	.5248371	1.89	0.059	-.0387577	2.018566
l_ratio_rivabilat_peacefulcm	6.008844	.8875462	6.77	0.000	4.269286	7.748403
l_ratio_marabilat_peacefulcm	1.398363	.8203098	1.70	0.088	-.2094148	3.006141
icowsal	.0132142	.0713448	0.19	0.853	-.1266189	.1530474
recmidwt	-.6551716	.3277218	-2.00	0.046	-1.297495	-.0128488
chal_cinc_share	-.0695862	.4442575	-0.16	0.876	-.940315	.8011425
jt dem	.1483824	.334742	0.44	0.658	-.5077	.8044647

duration	-.0167884	.0302	-0.56	0.578	-.0759793	.0424024
duration2	-.0005949	.0006897	-0.86	0.388	-.0019467	.0007569
duration3	3.94e-06	3.43e-06	1.15	0.252	-2.79e-06	.0000107
_cons	-2.839151	.757149	-3.75	0.000	-4.323135	-1.355166

```

121 .
122 . estimates store t1m3

123 .
124 . firthlogit rivbilat l_ratio_sterrbilat_terrbilat l_ratio_srivbilat_rivbilat l_ratio_smarbilat_marbilat icowsal recmidwt
> chal_cinc_share jt dem duration duration2 duration3 if ir_three==2 & year<2002

```

```

initial:      penalized log likelihood = -207.02283
rescale:      penalized log likelihood = -207.02283
Iteration 0:  penalized log likelihood = -207.02283
Iteration 1:  penalized log likelihood = -186.9375 (not concave)
Iteration 2:  penalized log likelihood = -151.15758 (not concave)
Iteration 3:  penalized log likelihood = -145.47153
Iteration 4:  penalized log likelihood = -144.59477
Iteration 5:  penalized log likelihood = -142.94403
Iteration 6:  penalized log likelihood = -142.78329
Iteration 7:  penalized log likelihood = -142.77576
Iteration 8:  penalized log likelihood = -142.77542
Iteration 9:  penalized log likelihood = -142.77542

```

```

Number of obs = 858
Wald chi2(10) = 87.32
Prob > chi2 = 0.0000

```

Penalized log likelihood = -142.77542

rivbilat	Coefficient	Std. err.	z	P> z	[95% conf. interval]
l_ratio_sterrbilat_terrbilat	.1756058	.4649869	0.38	0.706	-.7357518 1.086963
l_ratio_srivbilat_rivbilat	2.933483	.3698198	7.93	0.000	2.20865 3.658317
l_ratio_smarbilat_marbilat	-.4944002	.4133575	-1.20	0.232	-1.304566 .3157655
icowsal	-.0837678	.0723156	-1.16	0.247	-.2255039 .0579683
recmidwt	-.824501	.3443349	-2.39	0.017	-1.499385 -.149617
chal_cinc_share	-.2812199	.4677147	-0.60	0.548	-1.197924 .6354841
jt dem	.5693699	.3273629	1.74	0.082	-.0722495 1.210989
duration	.0039657	.0295968	0.13	0.893	-.0540431 .0619745
duration2	-.0008388	.0006603	-1.27	0.204	-.002133 .0004554
duration3	4.69e-06	3.28e-06	1.43	0.153	-1.74e-06 .0000111
_cons	-1.814203	.6577056	-2.76	0.006	-3.103282 -.5251235

```

125 .
126 . estimates store t1m4

127 .
128 . firthlogit marbilat l_ratio_terrbilat_peacefulcm l_ratio_rivbilat_peacefulcm l_ratio_marbilat_peacefulcm icowsal recmid
> wt chal_cinc_share jt dem duration duration2 duration3 if ir_three==2 & year<2002

```

```

initial:      penalized log likelihood = -336.58462
rescale:      penalized log likelihood = -336.58462
Iteration 0:  penalized log likelihood = -336.58462
Iteration 1:  penalized log likelihood = -261.98311 (not concave)
Iteration 2:  penalized log likelihood = -250.40422 (not concave)
Iteration 3:  penalized log likelihood = -249.18031
Iteration 4:  penalized log likelihood = -247.40785
Iteration 5:  penalized log likelihood = -247.35905
Iteration 6:  penalized log likelihood = -247.31786
Iteration 7:  penalized log likelihood = -247.31782
Iteration 8:  penalized log likelihood = -247.31782

```

Number of obs = 858
Wald chi2(10) = 111.63
Prob > chi2 = 0.0000

Penalized log likelihood = -247.31782

marbilat	Coefficient	Std. err.	z	P> z	[95% conf. interval]	
l_ratio_terrbilat_peacefulcm	-1.875529	.439109	-4.27	0.000	-2.736166	-1.014891
l_ratio_rivbilat_peacefulcm	-1.617526	.8655155	-1.87	0.062	-3.313905	.0788538
l_ratio_marbilat_peacefulcm	3.167185	.576928	5.49	0.000	2.036427	4.297943
icowsal	.1453657	.060278	2.41	0.016	.0272229	.2635085
recmidwt	-.321844	.1581636	-2.03	0.042	-.631839	-.011849
chal_cinc_share	.6583064	.4272771	1.54	0.123	-.1791414	1.495754
jtdem	.6538645	.2373757	2.75	0.006	.1886167	1.119112
duration	.0539725	.0278933	1.93	0.053	-.0006974	.1086424
duration2	-.0004567	.0006423	-0.71	0.477	-.0017157	.0008022
duration3	-7.28e-07	4.16e-06	-0.18	0.861	-8.87e-06	7.42e-06
_cons	-3.553594	.6557944	-5.42	0.000	-4.838928	-2.268261

```
129 .
130 . estimates store t1m5
```

```
131 .
132 . firthlogit marbilat l_ratio_sterrbilat_terrbilat l_ratio_srivbilat_rivbilat l_ratio_smarbilat_marbilat icowsal recmidwt
> chal_cinc_share jtdem duration duration2 duration3 if ir_three==2 & year<2002
```

```
initial:      penalized log likelihood = -335.05309
rescale:     penalized log likelihood = -335.05309
Iteration 0:  penalized log likelihood = -335.05309
Iteration 1:  penalized log likelihood = -277.76028 (not concave)
Iteration 2:  penalized log likelihood = -269.72826
Iteration 3:  penalized log likelihood = -267.9305
Iteration 4:  penalized log likelihood = -267.79722
Iteration 5:  penalized log likelihood = -267.79103
Iteration 6:  penalized log likelihood = -267.79102
```

Number of obs = 858
Wald chi2(10) = 98.81
Prob > chi2 = 0.0000

Penalized log likelihood = -267.79102

marbilat	Coefficient	Std. err.	z	P> z	[95% conf. interval]	
l_ratio_sterrbilat_terrbilat	-.5528103	.3712325	-1.49	0.136	-1.280413	.174792
l_ratio_srivbilat_rivbilat	-.3946459	.3783751	-1.04	0.297	-1.136247	.3469557
l_ratio_smarbilat_marbilat	1.707803	.2904827	5.88	0.000	1.138467	2.277138
icowsal	.1253061	.0586915	2.13	0.033	.0102728	.2403394
recmidwt	-.1454334	.1461614	-1.00	0.320	-.4319044	.1410376
chal_cinc_share	1.059636	.3725117	2.84	0.004	.3295261	1.789745
jtdem	.8822608	.239874	3.68	0.000	.4121164	1.352405
duration	.0290616	.0214867	1.35	0.176	-.0130516	.0711747
duration2	-.0003105	.0004282	-0.73	0.468	-.0011497	.0005288
duration3	-2.09e-07	2.35e-06	-0.09	0.929	-4.82e-06	4.40e-06
_cons	-4.078092	.6080354	-6.71	0.000	-5.269819	-2.886364

```
133 .
134 . estimates store t1m6
```

```
135 .
136 . *Table A4 (online appendix)
137 . firthlogit terr3nonb l_ratio_terr3nonb_peacefulcm l_ratio_riv3nonb_peacefulcm l_ratio_mar3nonb_peacefulcm icowsal recmi
> dwt chal_cinc_share jtdem duration duration2 duration3 if ir_three==2 & year<2002
```

```

initial:      penalized log likelihood = -217.56126
rescale:     penalized log likelihood = -217.56126
Iteration 0: penalized log likelihood = -217.56126
Iteration 1: penalized log likelihood = -191.74128 (not concave)
Iteration 2: penalized log likelihood = -169.22825 (not concave)
Iteration 3: penalized log likelihood = -167.62829
Iteration 4: penalized log likelihood = -166.39395
Iteration 5: penalized log likelihood = -166.34211
Iteration 6: penalized log likelihood = -166.34205
Iteration 7: penalized log likelihood = -166.34205

```

```

Number of obs =    858
Wald chi2(10) =   80.97
Prob > chi2    =  0.0000

```

```
Penalized log likelihood = -166.34205
```

terr3nonb	Coefficient	Std. err.	z	P> z	[95% conf. interval]	
l_ratio_terr3nonb_peacefulcm	4.11462	.9254691	4.45	0.000	2.300733	5.928506
l_ratio_riv3nonb_peacefulcm	-2.585608	3.253535	-0.79	0.427	-8.962419	3.791203
l_ratio_mar3nonb_peacefulcm	-.4081679	2.42422	-0.17	0.866	-5.159552	4.343217
icowsal	-.006095	.0728469	-0.08	0.933	-.1488724	.1366824
recmidwt	.3670851	.1403035	2.62	0.009	.0920952	.6420749
chal_cinc_share	.4232028	.5588635	0.76	0.449	-.6721495	1.518555
jtdem	-1.294335	.3785507	-3.42	0.001	-2.036281	-.5523894
duration	-.0446776	.0265719	-1.68	0.093	-.0967577	.0074024
duration2	.000804	.0004383	1.83	0.067	-.000055	.001663
duration3	-2.71e-06	1.91e-06	-1.42	0.155	-6.44e-06	1.03e-06
_cons	-2.921618	.6871083	-4.25	0.000	-4.268326	-1.574911

```

138 .
139 . estimates store t2m1

```

```

140 .
141 . firthlogit terr3nonb l_ratio_sterr3nonb_terr3nonb l_ratio_sriv3nonb_riv3nonb l_ratio_smar3nonb_mar3nonb icowsal recmidw
> t chal_cinc_share jtdem duration duration2 duration3 if ir_three==2 & year<2002

```

```

initial:      penalized log likelihood = -214.36127
rescale:     penalized log likelihood = -214.36127
Iteration 0: penalized log likelihood = -214.36127
Iteration 1: penalized log likelihood = -193.73608 (not concave)
Iteration 2: penalized log likelihood = -175.05217 (not concave)
Iteration 3: penalized log likelihood = -174.61017 (not concave)
Iteration 4: penalized log likelihood = -173.48103
Iteration 5: penalized log likelihood = -173.17969
Iteration 6: penalized log likelihood = -173.16927
Iteration 7: penalized log likelihood = -173.16927

```

```

Number of obs =    858
Wald chi2(10) =   71.45
Prob > chi2    =  0.0000

```

```
Penalized log likelihood = -173.16927
```

terr3nonb	Coefficient	Std. err.	z	P> z	[95% conf. interval]	
l_ratio_sterr3nonb_terr3nonb	.3185514	.4214656	0.76	0.450	-.507506	1.144609
l_ratio_sriv3nonb_riv3nonb	-1.002114	.8343424	-1.20	0.230	-2.637395	.6331669
l_ratio_smar3nonb_mar3nonb	.2202987	.3819185	0.58	0.564	-.5282477	.9688451
icowsal	-.0101833	.0695409	-0.15	0.884	-.1464811	.1261144
recmidwt	.3243936	.1423822	2.28	0.023	.0453297	.6034575
chal_cinc_share	.3936597	.52064	0.76	0.450	-.626776	1.414095
jtdem	-1.13176	.3645553	-3.10	0.002	-1.846275	-.4172449
duration	-.0377011	.0261934	-1.44	0.150	-.0890392	.013637
duration2	.0007684	.0004291	1.79	0.073	-.0000727	.0016094

duration3	-2.78e-06	1.84e-06	-1.51	0.131	-6.38e-06	8.26e-07
_cons	-2.600939	.6380336	-4.08	0.000	-3.851462	-1.350416

```

142 .
143 . estimates store t2m2

144 .
145 . firthlogit riv3nonb l_ratio_terr3nonb_peacefulcm l_ratio_riv3nonb_peacefulcm l_ratio_mar3nonb_peacefulcm icowsal recmid
> wt chal_cinc_share jtdem duration duration2 duration3 if ir_three==2 & year<2002

```

```

initial:      penalized log likelihood = -78.573653
rescale:      penalized log likelihood = -78.573653
Iteration 0:  penalized log likelihood = -78.573653
Iteration 1:  penalized log likelihood = -68.758181
Iteration 2:  penalized log likelihood = -60.446468 (not concave)
Iteration 3:  penalized log likelihood = -59.831725
Iteration 4:  penalized log likelihood = -58.848838 (not concave)
Iteration 5:  penalized log likelihood = -58.265531
Iteration 6:  penalized log likelihood = -58.025341 (not concave)
Iteration 7:  penalized log likelihood = -58.003404
Iteration 8:  penalized log likelihood = -57.956697
Iteration 9:  penalized log likelihood = -57.949252
Iteration 10: penalized log likelihood = -57.949239
Iteration 11: penalized log likelihood = -57.949239 (backed up)

Number of obs = 858
Wald chi2(10) = 21.59
Prob > chi2 = 0.0174

Penalized log likelihood = -57.949239

```

	riv3nonb	Coefficient	Std. err.	z	P> z	[95% conf. interval]
l_ratio_terr3nonb_peacefulcm		-3.744916	3.632278	-1.03	0.303	-10.86405 3.374217
l_ratio_riv3nonb_peacefulcm		2.741679	1.143235	2.40	0.016	.5009805 4.982378
l_ratio_mar3nonb_peacefulcm		-9.793369	11.1286	-0.88	0.379	-31.60502 12.01828
icowsal		.1018878	.1151574	0.88	0.376	-.1238166 .3275921
recmidwt		-.029155	.3495409	-0.08	0.934	-.7142426 .6559327
chal_cinc_share		-1.942583	.8000943	-2.43	0.015	-3.510739 -.3744274
jtdem		-.6116748	.5071368	-1.21	0.228	-1.605645 .382295
duration		.0872929	.0615282	1.42	0.156	-.0333 .2078859
duration2		-.0029677	.0016544	-1.79	0.073	-.0062104 .0002749
duration3		.0000159	8.21e-06	1.94	0.052	-1.70e-07 .000032
_cons		-3.142498	1.097451	-2.86	0.004	-5.293462 -.9915337

```

146 .
147 . estimates store t2m3

148 .
149 . firthlogit riv3nonb l_ratio_sterr3nonb_terr3nonb l_ratio_sriv3nonb_riv3nonb l_ratio_smar3nonb_mar3nonb icowsal recmidwt
> chal_cinc_share jtdem duration duration2 duration3 if ir_three==2 & year<2002

```

```

initial:      penalized log likelihood = -75.373663
rescale:      penalized log likelihood = -75.373663
Iteration 0:  penalized log likelihood = -75.373663
Iteration 1:  penalized log likelihood = -61.752782
Iteration 2:  penalized log likelihood = -57.181228 (not concave)
Iteration 3:  penalized log likelihood = -56.751563
Iteration 4:  penalized log likelihood = -55.88213 (not concave)
Iteration 5:  penalized log likelihood = -55.698681 (not concave)
Iteration 6:  penalized log likelihood = -55.684922
Iteration 7:  penalized log likelihood = -55.614555
Iteration 8:  penalized log likelihood = -55.596752
Iteration 9:  penalized log likelihood = -55.591231

```

Iteration 10: penalized log likelihood = **-55.590933**
 Iteration 11: penalized log likelihood = **-55.590933**

Number of obs = **858**
 Wald chi2(10) = **24.18**
 Prob > chi2 = **0.0071**

Penalized log likelihood = **-55.590933**

riv3nonb	Coefficient	Std. err.	z	P> z	[95% conf. interval]	
_l_ratio_sterr3nonb_terr3nonb	-.7622222	1.533139	-0.50	0.619	-3.767119	2.242674
_l_ratio_sriv3nonb_riv3nonb	1.568702	.5415014	2.90	0.004	.507379	2.630025
_l_ratio_smar3nonb_mar3nonb	-2.380625	3.332136	-0.71	0.475	-8.911492	4.150243
icowsal	.0490552	.1137639	0.43	0.666	-.1739179	.2720283
recmidwt	-.0092315	.3423231	-0.03	0.978	-.6801725	.6617094
chal_cinc_share	-2.031511	.855824	-2.37	0.018	-3.708895	-.3541267
jtdem	-.4330205	.4973781	-0.87	0.384	-1.407864	.5418228
duration	.070536	.0564266	1.25	0.211	-.0400581	.1811301
duration2	-.0024648	.0014959	-1.65	0.099	-.0053967	.000467
duration3	.0000132	7.55e-06	1.75	0.081	-1.61e-06	.000028
_cons	-2.953919	1.119347	-2.64	0.008	-5.147799	-.7600391

150 .

151 . estimates store t2m4

152 .

153 . firthlogit mar3nonb _l_ratio_terr3nonb_peacefulcm _l_ratio_riv3nonb_peacefulcm _l_ratio_mar3nonb_peacefulcm icowsal recmidwt
 > wt chal_cinc_share jtdem duration duration2 duration3 if ir_three==2 & year<2002

initial: penalized log likelihood = **-158.52555**
 rescale: penalized log likelihood = **-158.52555**
 Iteration 0: penalized log likelihood = **-158.52555**
 Iteration 1: penalized log likelihood = **-106.47395** (not concave)
 Iteration 2: penalized log likelihood = **-100.8382**
 Iteration 3: penalized log likelihood = **-95.021907**
 Iteration 4: penalized log likelihood = **-91.411535**
 Iteration 5: penalized log likelihood = **-91.123549**
 Iteration 6: penalized log likelihood = **-91.09228**
 Iteration 7: penalized log likelihood = **-91.092242**
 Iteration 8: penalized log likelihood = **-91.092242**

Number of obs = **858**
 Wald chi2(10) = **87.06**
 Prob > chi2 = **0.0000**

Penalized log likelihood = **-91.092242**

mar3nonb	Coefficient	Std. err.	z	P> z	[95% conf. interval]	
_l_ratio_terr3nonb_peacefulcm	3.152569	1.442873	2.18	0.029	.3245897	5.980549
_l_ratio_riv3nonb_peacefulcm	1.289637	1.532517	0.84	0.400	-1.714042	4.293316
_l_ratio_mar3nonb_peacefulcm	12.79395	2.125811	6.02	0.000	8.627434	16.96046
icowsal	.3500596	.1131356	3.09	0.002	.1283179	.5718012
recmidwt	.2736251	.2004747	1.36	0.172	-.1192981	.6665484
chal_cinc_share	.1894565	.7708534	0.25	0.806	-1.321389	1.700301
jtdem	-.7730919	.4292965	-1.80	0.072	-1.614498	.0683137
duration	-.0588716	.038606	-1.52	0.127	-.134538	.0167949
duration2	.000978	.0007491	1.31	0.192	-.0004902	.0024461
duration3	-5.51e-06	3.78e-06	-1.46	0.145	-.0000129	1.90e-06
_cons	-6.032953	1.217316	-4.96	0.000	-8.418848	-3.647058

154 .

155 . estimates store t2m5

```

156 .
157 . firthlogit mar3nonb l_ratio_sterr3nonb_terr3nonb l_ratio_sriv3nonb_riv3nonb l_ratio_smar3nonb_mar3nonb icowsal recmidwt
> chal_cinc_share jtdem duration duration2 duration3 if ir_three==2 & year<2002

```

```

initial:      penalized log likelihood = -155.32556
rescale:      penalized log likelihood = -155.32556
Iteration 0:  penalized log likelihood = -155.32556
Iteration 1:  penalized log likelihood = -137.04586 (not concave)
Iteration 2:  penalized log likelihood = -94.419726 (not concave)
Iteration 3:  penalized log likelihood = -92.172793
Iteration 4:  penalized log likelihood = -91.065505
Iteration 5:  penalized log likelihood = -90.003917 (not concave)
Iteration 6:  penalized log likelihood = -89.99252 (not concave)
Iteration 7:  penalized log likelihood = -89.961225
Iteration 8:  penalized log likelihood = -89.732134
Iteration 9:  penalized log likelihood = -89.729682
Iteration 10: penalized log likelihood = -89.729682

```

```

Number of obs = 858
Wald chi2(10) = 84.80
Prob > chi2 = 0.0000

```

Penalized log likelihood = -89.729682

	Coefficient	Std. err.	z	P> z	[95% conf. interval]	
mar3nonb						
l_ratio_sterr3nonb_terr3nonb	2.028338	.67983	2.98	0.003	.6958959	3.36078
l_ratio_sriv3nonb_riv3nonb	2.892123	.6067551	4.77	0.000	1.702905	4.081341
l_ratio_smar3nonb_mar3nonb	2.458549	.5673694	4.33	0.000	1.346526	3.570573
icowsal	.5331473	.11479	4.64	0.000	.3081631	.7581315
recmidwt	.2097954	.1850731	1.13	0.257	-.1529412	.5725319
chal_cinc_share	.0648328	.7362572	0.09	0.930	-1.378205	1.50787
jtdem	.2085622	.4086148	0.51	0.610	-.592308	1.009432
duration	.0418028	.0366203	1.14	0.254	-.0299716	.1135772
duration2	-.0013356	.0007087	-1.88	0.059	-.0027245	.0000533
duration3	6.09e-06	3.42e-06	1.78	0.075	-6.09e-07	.0000128
_cons	-8.817623	1.313509	-6.71	0.000	-11.39205	-6.243192

```

158 .
159 . estimates store t2m6

```

```

160 .
161 . *Table A5 (online appendix)
162 . firthlogit terr3b l_ratio_terr3b_peacefulcm l_ratio_riv3b_peacefulcm l_ratio_mar3b_peacefulcm icowsal recmidwt chal_cin
> c_share jtdem duration duration2 duration3 if ir_three==2 & year<2002

```

```

initial:      penalized log likelihood = -49.07587
rescale:      penalized log likelihood = -49.07587
Iteration 0:  penalized log likelihood = -49.07587
Iteration 1:  penalized log likelihood = -44.51605 (not concave)
Iteration 2:  penalized log likelihood = -36.608331 (not concave)
Iteration 3:  penalized log likelihood = -34.996813 (not concave)
Iteration 4:  penalized log likelihood = -34.225915 (not concave)
Iteration 5:  penalized log likelihood = -33.522467
Iteration 6:  penalized log likelihood = -32.76416 (not concave)
Iteration 7:  penalized log likelihood = -32.722864
Iteration 8:  penalized log likelihood = -32.677196
Iteration 9:  penalized log likelihood = -32.676966
Iteration 10: penalized log likelihood = -32.676966

```

```

Number of obs = 858
Wald chi2(10) = 25.52
Prob > chi2 = 0.0044

```

Penalized log likelihood = -32.676966

terr3b	Coefficient	Std. err.	z	P> z	[95% conf. interval]	
l_ratio_terr3b_peacefulcm	5.912754	5.659506	1.04	0.296	-5.179673	17.00518
l_ratio_riv3b_peacefulcm	29.04964	14.8604	1.95	0.051	-0.0762002	58.17549
l_ratio_mar3b_peacefulcm	36.16037	21.68937	1.67	0.095	-6.350016	78.67075
icowsal	-.4442761	.1479291	-3.00	0.003	-.7342118	-.1543404
recmidwt	-.8645493	.5108344	-1.69	0.091	-1.865766	.1366678
cha_l_cinc_share	.342456	1.086874	0.32	0.753	-1.787777	2.472689
jtdem	-1.124573	.689758	-1.63	0.103	-2.476474	.2273279
duration	.0341414	.0553231	0.62	0.537	-.0742898	.1425727
duration2	-.0000572	.0009833	-0.06	0.954	-.0019844	.0018701
duration3	-6.61e-07	4.64e-06	-0.14	0.887	-9.76e-06	8.44e-06
_cons	-1.883094	1.139828	-1.65	0.099	-4.117115	.3509278

163 .

164 . estimates store t3m1

165 .

166 . firthlogit terr3b l_ratio_sterr3b_terr3b l_ratio_sriv3b_riv3b l_ratio_smar3b_mar3b icowsal recmidwt cha_l_cinc_share jtd
> em duration duration2 duration3 if ir_three==2 & year<2002

```

initial:      penalized log likelihood = -40.962631
rescale:      penalized log likelihood = -40.962631
Iteration 0:  penalized log likelihood = -40.962631
Iteration 1:  penalized log likelihood = -29.977945 (not concave)
Iteration 2:  penalized log likelihood = -24.908099 (not concave)
Iteration 3:  penalized log likelihood = -24.300583 (not concave)
Iteration 4:  penalized log likelihood = -23.781665 (not concave)
Iteration 5:  penalized log likelihood = -23.261625 (not concave)
Iteration 6:  penalized log likelihood = -23.036407 (not concave)
Iteration 7:  penalized log likelihood = -22.917534 (not concave)
Iteration 8:  penalized log likelihood = -22.774187 (not concave)
Iteration 9:  penalized log likelihood = -22.69828
Iteration 10: penalized log likelihood = -22.635589
Iteration 11: penalized log likelihood = -22.599582 (not concave)
Iteration 12: penalized log likelihood = -22.599405
Iteration 13: penalized log likelihood = -22.589773
Iteration 14: penalized log likelihood = -22.589649
Iteration 15: penalized log likelihood = -22.589628
Iteration 16: penalized log likelihood = -22.589628

```

Number of obs = 858

Wald chi2(10) = 28.48

Prob > chi2 = 0.0015

Penalized log likelihood = -22.589628

terr3b	Coefficient	Std. err.	z	P> z	[95% conf. interval]	
l_ratio_sterr3b_terr3b	1.245934	.7074078	1.76	0.078	-.1405602	2.632427
l_ratio_sriv3b_riv3b	3.420305	1.251814	2.73	0.006	.9667943	5.873816
l_ratio_smar3b_mar3b	1.441709	.9116346	1.58	0.114	-.3450624	3.22848
icowsal	-.4076109	.1510242	-2.70	0.007	-.7036128	-.1116089
recmidwt	-.8758598	.488213	-1.79	0.073	-1.83274	.0810201
cha_l_cinc_share	.0608566	1.16533	0.05	0.958	-2.223148	2.344861
jtdem	-1.391321	.8413046	-1.65	0.098	-3.040247	.2576062
duration	.0369134	.0596061	0.62	0.536	-.0799124	.1537392
duration2	-.000221	.0010458	-0.21	0.833	-.0022707	.0018286
duration3	4.39e-07	4.83e-06	0.09	0.928	-9.03e-06	9.91e-06
_cons	-2.178643	1.223081	-1.78	0.075	-4.575839	.2185519

167 .

168 . estimates store t3m2

169 .

```
170 . firthlogit riv3b l_ratio_terr3b_peacefulcm l_ratio_riv3b_peacefulcm l_ratio_mar3b_peacefulcm icowsal recmidwt chal_cinc
> _share jtdem duration duration2 duration3 if ir_three==2 & year<2002
```

```
initial:      penalized log likelihood =  .24217235
rescale:      penalized log likelihood =  .24217235
Iteration 0:  penalized log likelihood =  .24217235 (not concave)
Iteration 1:  penalized log likelihood =  5.2959236 (not concave)
Iteration 2:  penalized log likelihood =  5.4318894 (not concave)
Iteration 3:  penalized log likelihood =  6.2743666 (not concave)
Iteration 4:  penalized log likelihood =  6.3978669 (not concave)
Iteration 5:  penalized log likelihood =  6.7335834 (not concave)
Iteration 6:  penalized log likelihood =  6.7878088 (not concave)
Iteration 7:  penalized log likelihood =  7.0917713 (not concave)
Iteration 8:  penalized log likelihood =  7.2185808 (not concave)
Iteration 9:  penalized log likelihood =  7.2223493 (not concave)
Iteration 10: penalized log likelihood =  7.3534338
Iteration 11: penalized log likelihood =  7.468389 (not concave)
Iteration 12: penalized log likelihood =  7.7070794 (not concave)
Iteration 13: penalized log likelihood =  7.8726113 (not concave)
Iteration 14: penalized log likelihood =  7.9999431 (not concave)
Iteration 15: penalized log likelihood =  8.0580815 (not concave)
Iteration 16: penalized log likelihood =  8.3079808 (not concave)
Iteration 17: penalized log likelihood =  8.350778 (not concave)
Iteration 18: penalized log likelihood =  8.413493 (not concave)
Iteration 19: penalized log likelihood =  8.4244067 (not concave)
Iteration 20: penalized log likelihood =  8.4750968 (not concave)
Iteration 21: penalized log likelihood =  8.508892 (not concave)
Iteration 22: penalized log likelihood =  8.5642404 (not concave)
Iteration 23: penalized log likelihood =  8.6083709 (not concave)
Iteration 24: penalized log likelihood =  8.6382044
Iteration 25: penalized log likelihood =  8.7690672
Iteration 26: penalized log likelihood =  8.8195877 (not concave)
Iteration 27: penalized log likelihood =  8.8440548 (not concave)
Iteration 28: penalized log likelihood =  8.8763343 (not concave)
Iteration 29: penalized log likelihood =  8.9002095 (not concave)
Iteration 30: penalized log likelihood =  8.9102459
Iteration 31: penalized log likelihood =  8.924219 (not concave)
Iteration 32: penalized log likelihood =  8.9270109
Iteration 33: penalized log likelihood =  8.9793673 (not concave)
Iteration 34: penalized log likelihood =  8.9865794 (not concave)
Iteration 35: penalized log likelihood =  8.989126
Iteration 36: penalized log likelihood =  9.015932
Iteration 37: penalized log likelihood =  9.0545928
Iteration 38: penalized log likelihood =  9.073539
Iteration 39: penalized log likelihood =  9.0922125 (not concave)
Iteration 40: penalized log likelihood =  9.0927692 (not concave)
Iteration 41: penalized log likelihood =  9.093287 (not concave)
Iteration 42: penalized log likelihood =  9.0942861 (not concave)
Iteration 43: penalized log likelihood =  9.0946915
Iteration 44: penalized log likelihood =  9.1145578 (not concave)
Iteration 45: penalized log likelihood =  9.1166061 (not concave)
Iteration 46: penalized log likelihood =  9.1171044
Iteration 47: penalized log likelihood =  9.1313615
Iteration 48: penalized log likelihood =  9.1354795 (not concave)
Iteration 49: penalized log likelihood =  9.1355301
Iteration 50: penalized log likelihood =  9.139553
Iteration 51: penalized log likelihood =  9.1403047
Iteration 52: penalized log likelihood =  9.1403058
Iteration 53: penalized log likelihood =  9.1403058
```

```
Number of obs = 858
Wald chi2(10) = 4.97
Prob > chi2 = 0.8930
```

```
Penalized log likelihood = 9.1403058
```

riv3b	Coefficient	Std. err.	z	P> z	[95% conf. interval]	
l_ratio_terr3b_peacefulcm	11.10366	8.460095	1.31	0.189	-5.477825	27.68514
l_ratio_riv3b_peacefulcm	14.51619	24.52393	0.59	0.554	-33.54982	62.58221
l_ratio_mar3b_peacefulcm	-29.44891	50.60799	-0.58	0.561	-128.6388	69.74094
icowsal	-.0885034	.5431001	-0.16	0.871	-1.15296	.9759533
recmidwt	.2616948	.7908959	0.33	0.741	-1.288433	1.811822
cha_l_cinc_share	.1471555	2.460244	0.06	0.952	-4.674833	4.969144
jtdem	1.823676	1.785034	1.02	0.307	-1.674927	5.322278
duration	-.0872647	.1248082	-0.70	0.484	-.3318844	.1573549
duration2	.0012787	.0022687	0.56	0.573	-.003168	.0057254
duration3	-4.79e-06	.0000101	-0.47	0.637	-.0000247	.0000151
_cons	-4.84861	4.283593	-1.13	0.258	-13.2443	3.547078

171 .

172 . estimates store t3m3

173 .

```
174 . firthlogit riv3b l_ratio_sterr3b_terr3b l_ratio_sriv3b_riv3b l_ratio_smar3b_mar3b icowsal recmidwt cha_l_cinc_share jtdem
> m duration duration2 duration3 if ir_three==2 & year<2002
```

```
initial:      penalized log likelihood =  8.3554121
rescale:      penalized log likelihood =  8.3554121
Iteration 0:  penalized log likelihood =  8.3554121 (not concave)
Iteration 1:  penalized log likelihood = 12.965732 (not concave)
Iteration 2:  penalized log likelihood = 13.434506 (not concave)
Iteration 3:  penalized log likelihood = 14.292803 (not concave)
Iteration 4:  penalized log likelihood = 14.828862 (not concave)
Iteration 5:  penalized log likelihood = 14.963341 (not concave)
Iteration 6:  penalized log likelihood = 15.47159 (not concave)
Iteration 7:  penalized log likelihood = 15.739755 (not concave)
Iteration 8:  penalized log likelihood = 15.968548 (not concave)
Iteration 9:  penalized log likelihood = 16.00548 (not concave)
Iteration 10: penalized log likelihood = 16.106929
Iteration 11: penalized log likelihood = 16.214596 (not concave)
Iteration 12: penalized log likelihood = 16.232488 (not concave)
Iteration 13: penalized log likelihood = 16.241219
Iteration 14: penalized log likelihood = 16.296545 (not concave)
Iteration 15: penalized log likelihood = 16.312892 (not concave)
Iteration 16: penalized log likelihood = 16.316938
Iteration 17: penalized log likelihood = 16.407667 (not concave)
Iteration 18: penalized log likelihood = 16.416553
Iteration 19: penalized log likelihood = 16.422567
Iteration 20: penalized log likelihood = 16.423919
Iteration 21: penalized log likelihood = 16.423924
Iteration 22: penalized log likelihood = 16.423924
```

Number of obs = 858

Wald chi2(10) = 2.73

Prob > chi2 = 0.9872

Penalized log likelihood = 16.423924

riv3b	Coefficient	Std. err.	z	P> z	[95% conf. interval]	
l_ratio_sterr3b_terr3b	.9937245	2.756961	0.36	0.719	-4.409819	6.397268
l_ratio_sriv3b_riv3b	.8579854	2.139514	0.40	0.688	-3.335384	5.051355
l_ratio_smar3b_mar3b	-.4961067	3.458911	-0.14	0.886	-7.275448	6.283235
icowsal	-.1274277	.5287523	-0.24	0.810	-1.163763	.9089077
recmidwt	.1348066	.8481297	0.16	0.874	-1.527497	1.79711
cha_l_cinc_share	.1842441	2.497816	0.07	0.941	-4.711386	5.079874
jtdem	1.64727	1.77157	0.93	0.352	-1.824943	5.119484
duration	-.0680759	.1220367	-0.56	0.577	-.3072634	.1711116
duration2	.0009982	.0022572	0.44	0.658	-.0034258	.0054221

duration3	-3.71e-06	.0000102	-0.37	0.715	-.0000236	.0000162
_cons	-4.534402	3.943688	-1.15	0.250	-12.26389	3.195083

175 .

176 . estimates store t3m4

177 .

```
178 . firthlogit mar3b l_ratio_terr3b_peacefulcm l_ratio_riv3b_peacefulcm l_ratio_mar3b_peacefulcm icowsal recmidwt chal_cinc
> _share jt dem duration duration2 duration3 if ir_three==2 & year<2002
```

```
initial:      penalized log likelihood = -17.937352
rescale:      penalized log likelihood = -17.937352
Iteration 0:  penalized log likelihood = -17.937352 (not concave)
Iteration 1:  penalized log likelihood = -14.001427 (not concave)
Iteration 2:  penalized log likelihood = -12.586684 (not concave)
Iteration 3:  penalized log likelihood = -12.372427 (not concave)
Iteration 4:  penalized log likelihood = -11.729474 (not concave)
Iteration 5:  penalized log likelihood = -10.70488 (not concave)
Iteration 6:  penalized log likelihood = -10.163017 (not concave)
Iteration 7:  penalized log likelihood = -9.7660542 (not concave)
Iteration 8:  penalized log likelihood = -9.7303619 (not concave)
Iteration 9:  penalized log likelihood = -9.6774437 (not concave)
Iteration 10: penalized log likelihood = -9.5732463 (not concave)
Iteration 11: penalized log likelihood = -8.6756263 (not concave)
Iteration 12: penalized log likelihood = -8.356424 (not concave)
Iteration 13: penalized log likelihood = -8.2755628 (not concave)
Iteration 14: penalized log likelihood = -8.1486073 (not concave)
Iteration 15: penalized log likelihood = -8.1083408 (not concave)
Iteration 16: penalized log likelihood = -8.0070602 (not concave)
Iteration 17: penalized log likelihood = -7.969015 (not concave)
Iteration 18: penalized log likelihood = -7.856861 (not concave)
Iteration 19: penalized log likelihood = -7.6885715
Iteration 20: penalized log likelihood = -7.590253 (not concave)
Iteration 21: penalized log likelihood = -7.4299993 (not concave)
Iteration 22: penalized log likelihood = -7.3010865 (not concave)
Iteration 23: penalized log likelihood = -7.2755037 (not concave)
Iteration 24: penalized log likelihood = -7.1788809 (not concave)
Iteration 25: penalized log likelihood = -6.9883251 (not concave)
Iteration 26: penalized log likelihood = -6.9555974
Iteration 27: penalized log likelihood = -6.5110207 (not concave)
Iteration 28: penalized log likelihood = -6.4598385 (not concave)
Iteration 29: penalized log likelihood = -6.439239 (not concave)
Iteration 30: penalized log likelihood = -6.3284533 (not concave)
Iteration 31: penalized log likelihood = -6.2856621 (not concave)
Iteration 32: penalized log likelihood = -6.1985597 (not concave)
Iteration 33: penalized log likelihood = -6.1632227 (not concave)
Iteration 34: penalized log likelihood = -6.1128274 (not concave)
Iteration 35: penalized log likelihood = -6.0607023 (not concave)
Iteration 36: penalized log likelihood = -5.7867479 (not concave)
Iteration 37: penalized log likelihood = -5.5876999 (not concave)
Iteration 38: penalized log likelihood = -5.5382565 (not concave)
Iteration 39: penalized log likelihood = -5.4984329 (not concave)
Iteration 40: penalized log likelihood = -5.4761889 (not concave)
Iteration 41: penalized log likelihood = -5.4564127 (not concave)
Iteration 42: penalized log likelihood = -5.4508347 (not concave)
Iteration 43: penalized log likelihood = -5.4412054 (not concave)
Iteration 44: penalized log likelihood = -5.4250587 (not concave)
Iteration 45: penalized log likelihood = -5.4136267 (not concave)
Iteration 46: penalized log likelihood = -5.4068975 (not concave)
Iteration 47: penalized log likelihood = -5.3996888 (not concave)
Iteration 48: penalized log likelihood = -5.3717589 (not concave)
Iteration 49: penalized log likelihood = -5.3511414 (not concave)
Iteration 50: penalized log likelihood = -5.3429371 (not concave)
Iteration 51: penalized log likelihood = -5.3289964 (not concave)
```

```
Iteration 52: penalized log likelihood = -5.3165307 (not concave)
Iteration 53: penalized log likelihood = -5.3091184 (not concave)
Iteration 54: penalized log likelihood = -5.297704 (not concave)
Iteration 55: penalized log likelihood = -5.2900274 (not concave)
Iteration 56: penalized log likelihood = -5.2824798 (not concave)
Iteration 57: penalized log likelihood = -5.2580753 (not concave)
Iteration 58: penalized log likelihood = -5.2379576 (not concave)
Iteration 59: penalized log likelihood = -5.2242134 (not concave)
Iteration 60: penalized log likelihood = -5.2097473 (not concave)
Iteration 61: penalized log likelihood = -5.2032636 (not concave)
Iteration 62: penalized log likelihood = -5.1971643 (not concave)
Iteration 63: penalized log likelihood = -5.1919909
Iteration 64: penalized log likelihood = -5.131186 (not concave)
Iteration 65: penalized log likelihood = -5.1240149
Iteration 66: penalized log likelihood = -5.1184935 (not concave)
Iteration 67: penalized log likelihood = -5.116135 (not concave)
Iteration 68: penalized log likelihood = -5.1147076 (not concave)
Iteration 69: penalized log likelihood = -5.1133177
Iteration 70: penalized log likelihood = -5.0226643
Iteration 71: penalized log likelihood = -4.9904902
Iteration 72: penalized log likelihood = -4.9872351
Iteration 73: penalized log likelihood = -4.9848747
Iteration 74: penalized log likelihood = -4.9844024
Iteration 75: penalized log likelihood = -4.9843947
Iteration 76: penalized log likelihood = -4.9843947
```

```
Number of obs = 858
Wald chi2(10) = 17.32
Prob > chi2 = 0.0676
```

Penalized log likelihood = -4.9843947

mar3b	Coefficient	Std. err.	z	P> z	[95% conf. interval]	
l_ratio_terr3b_peacefulcm	21.7279	6.934789	3.13	0.002	8.135967	35.31984
l_ratio_riv3b_peacefulcm	37.586	19.16468	1.96	0.050	.023911	75.14808
l_ratio_mar3b_peacefulcm	-49.66586	32.75424	-1.52	0.129	-113.863	14.53127
icowsal	.6679502	.2776621	2.41	0.016	.1237425	1.212158
recmidwt	-.8639128	1.152971	-0.75	0.454	-3.123695	1.395869
chal_cinc_share	1.782365	1.584204	1.13	0.261	-1.322618	4.887347
jtde	2.600191	1.244538	2.09	0.037	.1609412	5.039442
duration	-.028895	.0723633	-0.40	0.690	-.1707245	.1129345
duration2	.0006515	.0012749	0.51	0.609	-.0018472	.0031502
duration3	-2.92e-06	5.63e-06	-0.52	0.603	-.000014	8.11e-06
_cons	-12.58953	3.403839	-3.70	0.000	-19.26093	-5.918127

```
179 .
180 . estimates store t3m5
```

```
181 .
182 . firthlogit mar3b l_ratio_sterr3b_terr3b l_ratio_sriv3b_riv3b l_ratio_smar3b_mar3b icowsal recmidwt chal_cinc_share jtde
> m duration duration2 duration3 if ir_three==2 & year<2002
```

```
initial: penalized log likelihood = -9.824112
rescale: penalized log likelihood = -9.824112
Iteration 0: penalized log likelihood = -9.824112
Iteration 1: penalized log likelihood = -.93122041 (not concave)
Iteration 2: penalized log likelihood = -.69984876 (not concave)
Iteration 3: penalized log likelihood = -.65545204 (not concave)
Iteration 4: penalized log likelihood = -.12847068 (not concave)
Iteration 5: penalized log likelihood = -.10475684 (not concave)
Iteration 6: penalized log likelihood = .45525133 (not concave)
Iteration 7: penalized log likelihood = .70574076 (not concave)
Iteration 8: penalized log likelihood = .95440089 (not concave)
Iteration 9: penalized log likelihood = 1.0387898 (not concave)
```

```
Iteration 10: penalized log likelihood = 1.2689705 (not concave)
Iteration 11: penalized log likelihood = 1.3313707 (not concave)
Iteration 12: penalized log likelihood = 1.3892236 (not concave)
Iteration 13: penalized log likelihood = 1.4187993 (not concave)
Iteration 14: penalized log likelihood = 1.4393482 (not concave)
Iteration 15: penalized log likelihood = 1.4486238 (not concave)
Iteration 16: penalized log likelihood = 1.4725282 (not concave)
Iteration 17: penalized log likelihood = 1.508442 (not concave)
Iteration 18: penalized log likelihood = 1.5238549 (not concave)
Iteration 19: penalized log likelihood = 1.5377368 (not concave)
Iteration 20: penalized log likelihood = 1.5502381 (not concave)
Iteration 21: penalized log likelihood = 1.5713446 (not concave)
Iteration 22: penalized log likelihood = 1.6515007 (not concave)
Iteration 23: penalized log likelihood = 1.6673536 (not concave)
Iteration 24: penalized log likelihood = 1.6784157 (not concave)
Iteration 25: penalized log likelihood = 1.6878114 (not concave)
Iteration 26: penalized log likelihood = 1.6952333 (not concave)
Iteration 27: penalized log likelihood = 1.6965946 (not concave)
Iteration 28: penalized log likelihood = 1.7350704 (not concave)
Iteration 29: penalized log likelihood = 1.7358632 (not concave)
Iteration 30: penalized log likelihood = 1.7389599 (not concave)
Iteration 31: penalized log likelihood = 1.9226964 (not concave)
Iteration 32: penalized log likelihood = 1.9421331 (not concave)
Iteration 33: penalized log likelihood = 1.9726306 (not concave)
Iteration 34: penalized log likelihood = 1.9810211 (not concave)
Iteration 35: penalized log likelihood = 1.989664 (not concave)
Iteration 36: penalized log likelihood = 2.007817 (not concave)
Iteration 37: penalized log likelihood = 2.0100083 (not concave)
Iteration 38: penalized log likelihood = 2.0118582 (not concave)
Iteration 39: penalized log likelihood = 2.0139009 (not concave)
Iteration 40: penalized log likelihood = 2.0210312 (not concave)
Iteration 41: penalized log likelihood = 2.0236746 (not concave)
Iteration 42: penalized log likelihood = 2.0364401 (not concave)
Iteration 43: penalized log likelihood = 2.0501587 (not concave)
Iteration 44: penalized log likelihood = 2.0528986 (not concave)
Iteration 45: penalized log likelihood = 2.0536073 (not concave)
Iteration 46: penalized log likelihood = 2.0701793 (not concave)
Iteration 47: penalized log likelihood = 2.0813768 (not concave)
Iteration 48: penalized log likelihood = 2.0841387 (not concave)
Iteration 49: penalized log likelihood = 2.2582008 (not concave)
Iteration 50: penalized log likelihood = 2.2823955 (not concave)
Iteration 51: penalized log likelihood = 2.3303304 (not concave)
Iteration 52: penalized log likelihood = 2.3401689 (not concave)
Iteration 53: penalized log likelihood = 2.3495256 (not concave)
Iteration 54: penalized log likelihood = 2.3717559 (not concave)
Iteration 55: penalized log likelihood = 2.3766666 (not concave)
Iteration 56: penalized log likelihood = 2.3897536 (not concave)
Iteration 57: penalized log likelihood = 2.3918578 (not concave)
Iteration 58: penalized log likelihood = 2.4091199 (not concave)
Iteration 59: penalized log likelihood = 2.4280977 (not concave)
Iteration 60: penalized log likelihood = 2.4469626 (not concave)
Iteration 61: penalized log likelihood = 2.4534766 (not concave)
Iteration 62: penalized log likelihood = 2.4668553 (not concave)
Iteration 63: penalized log likelihood = 2.4841888 (not concave)
Iteration 64: penalized log likelihood = 2.5025548 (not concave)
Iteration 65: penalized log likelihood = 2.5072494 (not concave)
Iteration 66: penalized log likelihood = 2.5136616 (not concave)
Iteration 67: penalized log likelihood = 2.519864 (not concave)
Iteration 68: penalized log likelihood = 2.5326364 (not concave)
Iteration 69: penalized log likelihood = 2.5486495 (not concave)
Iteration 70: penalized log likelihood = 2.5554926 (not concave)
Iteration 71: penalized log likelihood = 2.577777 (not concave)
Iteration 72: penalized log likelihood = 2.5839142 (not concave)
Iteration 73: penalized log likelihood = 2.5907635 (not concave)
Iteration 74: penalized log likelihood = 2.5969514 (not concave)
```

```

Iteration 75: penalized log likelihood = 2.62166 (not concave)
Iteration 76: penalized log likelihood = 2.6274439 (not concave)
Iteration 77: penalized log likelihood = 2.6335293 (not concave)
Iteration 78: penalized log likelihood = 2.6440077 (not concave)
Iteration 79: penalized log likelihood = 2.6493163
Iteration 80: penalized log likelihood = 2.6641957 (not concave)
Iteration 81: penalized log likelihood = 2.6702373 (not concave)
Iteration 82: penalized log likelihood = 2.6747465 (not concave)
Iteration 83: penalized log likelihood = 2.6786078
Iteration 84: penalized log likelihood = 2.7051429 (not concave)
Iteration 85: penalized log likelihood = 2.7083904 (not concave)
Iteration 86: penalized log likelihood = 2.7097303
Iteration 87: penalized log likelihood = 2.7118308 (not concave)
Iteration 88: penalized log likelihood = 2.7123417 (not concave)
Iteration 89: penalized log likelihood = 2.7142665 (not concave)
Iteration 90: penalized log likelihood = 2.7151591 (not concave)
Iteration 91: penalized log likelihood = 2.7158026
Iteration 92: penalized log likelihood = 2.720218 (not concave)
Iteration 93: penalized log likelihood = 2.7215162 (not concave)
Iteration 94: penalized log likelihood = 2.7221554
Iteration 95: penalized log likelihood = 2.7230736
Iteration 96: penalized log likelihood = 2.7231706
Iteration 97: penalized log likelihood = 2.7231706

```

Number of obs = 858

Wald chi2(10) = 17.06

Prob > chi2 = 0.0730

Penalized log likelihood = 2.7231706

mar3b	Coefficient	Std. err.	z	P> z	[95% conf. interval]
l_ratio_sterr3b_terr3b	3.085674	1.162567	2.65	0.008	.8070847 5.364264
l_ratio_sriv3b_riv3b	2.680893	1.855744	1.44	0.149	-.9562992 6.318085
l_ratio_smar3b_mar3b	-1.333091	1.196929	-1.11	0.265	-3.679029 1.012848
icowsal	.566058	.2866517	1.97	0.048	.004231 1.127885
recmidwt	-.7158606	.8769862	-0.82	0.414	-2.434722 1.003001
cha1_cinc_share	.2305709	1.61095	0.14	0.886	-2.926833 3.387975
jt-dem	2.398366	1.046401	2.29	0.022	.3474574 4.449276
duration	-.0524476	.0723097	-0.73	0.468	-.194172 .0892768
duration2	.0010005	.0012648	0.79	0.429	-.0014785 .0034794
duration3	-4.29e-06	5.55e-06	-0.77	0.440	-.0000152 6.60e-06
_cons	-11.02857	3.076513	-3.58	0.000	-17.05843 -4.998716

183 .

184 . estimates store t3m6

185 .

186 . *Table A6 (online appendix)

187 . firthlogit terrmultineg l_ratio_terrnm_peacefulcm l_ratio_rivnm_peacefulcm l_ratio_marmn_peacefulcm icowsal recmidwt ch
> a1_cinc_share jt-dem duration duration2 duration3 if ir_three==2 & year<2002

```

initial: penalized log likelihood = -43.422143
rescale: penalized log likelihood = -43.422143
Iteration 0: penalized log likelihood = -43.422143 (not concave)
Iteration 1: penalized log likelihood = -27.953729 (not concave)
Iteration 2: penalized log likelihood = -25.714181
Iteration 3: penalized log likelihood = -23.405538 (not concave)
Iteration 4: penalized log likelihood = -22.471238 (not concave)
Iteration 5: penalized log likelihood = -22.101524
Iteration 6: penalized log likelihood = -21.874288 (not concave)
Iteration 7: penalized log likelihood = -21.862435
Iteration 8: penalized log likelihood = -21.636067
Iteration 9: penalized log likelihood = -21.624564
Iteration 10: penalized log likelihood = -21.623529

```

Iteration 11: penalized log likelihood = **-21.623528**Number of obs = **858**Wald chi2(10) = **34.51**Penalized log likelihood = **-21.623528**Prob > chi2 = **0.0002**

terrmultineg	Coefficient	Std. err.	z	P> z	[95% conf. interval]	
\ln _ratio_terrnm_peacefulcm	4.489908	1.028977	4.36	0.000	2.47315	6.506667
\ln _ratio_rivnm_peacefulcm	134.9686	72.64842	1.86	0.063	-7.419637	277.3569
\ln _ratio_marmn_peacefulcm	.5083289	4.271149	0.12	0.905	-7.862969	8.879627
icowsal	.1292096	.1403691	0.92	0.357	-.1459087	.4043279
recmidwt	-.1401724	.5971034	-0.23	0.814	-1.310473	1.030129
cha_cinc_share	-2.99338	1.570957	-1.91	0.057	-6.072399	.0856386
jt dem	-2.343305	1.43042	-1.64	0.101	-5.146876	.4602665
duration	-.0540211	.0636222	-0.85	0.396	-.1787183	.070676
duration2	.0008561	.0012471	0.69	0.492	-.0015883	.0033004
duration3	-3.57e-06	6.40e-06	-0.56	0.577	-.0000161	8.97e-06
_cons	-3.39875	1.356037	-2.51	0.012	-6.056534	-.7409666

188 .

189 . estimates store t4m1

190 .

```
191 . firthlogit terrmultineg  $\ln$ _ratio_sterrnm_terrnm  $\ln$ _ratio_srivnm_rivnm  $\ln$ _ratio_smarmn_marmn icowsal recmidwt cha_cinc_sha
> re jt dem duration duration2 duration3 if ir_three==2 & year<2002
```

```
initial:      penalized log likelihood = -38.356448
rescale:     penalized log likelihood = -38.356448
Iteration 0: penalized log likelihood = -38.356448 (not concave)
Iteration 1: penalized log likelihood = -32.598591 (not concave)
Iteration 2: penalized log likelihood = -28.416309 (not concave)
Iteration 3: penalized log likelihood = -27.818725 (not concave)
Iteration 4: penalized log likelihood = -26.037211 (not concave)
Iteration 5: penalized log likelihood = -25.95722 (not concave)
Iteration 6: penalized log likelihood = -25.602373
Iteration 7: penalized log likelihood = -25.056129 (not concave)
Iteration 8: penalized log likelihood = -24.930513 (not concave)
Iteration 9: penalized log likelihood = -24.860437 (not concave)
Iteration 10: penalized log likelihood = -24.79591
Iteration 11: penalized log likelihood = -24.225007
Iteration 12: penalized log likelihood = -24.118969
Iteration 13: penalized log likelihood = -24.096395
Iteration 14: penalized log likelihood = -24.096351
Iteration 15: penalized log likelihood = -24.096351
```

Number of obs = **858**Wald chi2(10) = **22.19**Penalized log likelihood = **-24.096351**Prob > chi2 = **0.0142**

terrmultineg	Coefficient	Std. err.	z	P> z	[95% conf. interval]	
\ln _ratio_sterrnm_terrnm	3.745716	1.154229	3.25	0.001	1.483469	6.007963
\ln _ratio_srivnm_rivnm	3.17879	2.004077	1.59	0.113	-.749128	7.106708
\ln _ratio_smarmn_marmn	-.5872312	1.674787	-0.35	0.726	-3.869754	2.695291
icowsal	-.0976223	.1154287	-0.85	0.398	-.3238584	.1286137
recmidwt	.4046273	.3904602	1.04	0.300	-.3606606	1.169915
cha_cinc_share	-2.206846	1.202575	-1.84	0.066	-4.563848	.1501574
jt dem	-2.203991	1.353562	-1.63	0.103	-4.856925	.4489424
duration	-.0735384	.0581368	-1.26	0.206	-.1874844	.0404077
duration2	.0009194	.001228	0.75	0.454	-.0014875	.0033262
duration3	-3.02e-06	6.70e-06	-0.45	0.651	-.0000161	.0000101

_cons	-1.51058	.9782808	-1.54	0.123	-3.427975	.4068149
-------	----------	----------	-------	-------	-----------	----------

192 .

193 . estimates store t4m2

194 .

```
195 . firthlogit rivmultineg l_ratio_terrmn_peacefulcm l_ratio_rivmn_peacefulcm l_ratio_marmn_peacefulcm icowsal recmidwt cha
> l_cinc_share jt-dem duration duration2 duration3 if ir_three==2 & year<2002
```

```
initial:      penalized log likelihood =  2.1606974
rescale:      penalized log likelihood =  2.1606974
Iteration 0:  penalized log likelihood =  2.1606974 (not concave)
Iteration 1:  penalized log likelihood =  7.3813758 (not concave)
Iteration 2:  penalized log likelihood =  9.0894422 (not concave)
Iteration 3:  penalized log likelihood =  9.9376904 (not concave)
Iteration 4:  penalized log likelihood = 10.247165 (not concave)
Iteration 5:  penalized log likelihood = 10.615638 (not concave)
Iteration 6:  penalized log likelihood = 10.782979 (not concave)
Iteration 7:  penalized log likelihood = 10.88911 (not concave)
Iteration 8:  penalized log likelihood = 11.04883 (not concave)
Iteration 9:  penalized log likelihood = 11.30911 (not concave)
Iteration 10: penalized log likelihood = 11.484936 (not concave)
Iteration 11: penalized log likelihood = 11.569925
Iteration 12: penalized log likelihood = 11.637405 (not concave)
Iteration 13: penalized log likelihood = 11.651415 (not concave)
Iteration 14: penalized log likelihood = 11.656043 (not concave)
Iteration 15: penalized log likelihood = 11.660045
Iteration 16: penalized log likelihood = 11.700017 (not concave)
Iteration 17: penalized log likelihood = 11.701957
Iteration 18: penalized log likelihood = 11.744042
Iteration 19: penalized log likelihood = 11.760754 (not concave)
Iteration 20: penalized log likelihood = 11.760828
Iteration 21: penalized log likelihood = 11.766163
Iteration 22: penalized log likelihood = 11.784742 (not concave)
Iteration 23: penalized log likelihood = 11.789638
Iteration 24: penalized log likelihood = 11.792245
Iteration 25: penalized log likelihood = 11.794375 (not concave)
Iteration 26: penalized log likelihood = 11.794491
Iteration 27: penalized log likelihood = 11.80382
Iteration 28: penalized log likelihood = 11.803865
Iteration 29: penalized log likelihood = 11.803895
Iteration 30: penalized log likelihood = 11.803895
```

Number of obs = 858

Wald chi2(10) = 7.51

Prob > chi2 = 0.6762

Penalized log likelihood = 11.803895

	Coefficient	Std. err.	z	P> z	[95% conf. interval]	
l_ratio_terrmn_peacefulcm	3.446368	2.337452	1.47	0.140	-1.134955	8.02769
l_ratio_rivmn_peacefulcm	54.60859	58.65307	0.93	0.352	-60.34932	169.5665
l_ratio_marmn_peacefulcm	4.590935	4.287921	1.07	0.284	-3.813236	12.99511
icowsal	.0834969	.3420635	0.24	0.807	-.5869352	.753929
recmidwt	.0885053	.8767596	0.10	0.920	-1.629912	1.806923
cha_l_cinc_share	2.391946	2.510162	0.95	0.341	-2.527882	7.311774
jt-dem	1.688911	1.632365	1.03	0.301	-1.510466	4.888288
duration	-.065433	.1126855	-0.58	0.561	-.2862925	.1554265
duration2	.0010441	.0020305	0.51	0.607	-.0029356	.0050239
duration3	-3.89e-06	8.98e-06	-0.43	0.665	-.0000215	.0000137
_cons	-7.578612	3.685576	-2.06	0.040	-14.80221	-.3550163

196 .

```
197 . estimates store t4m3
```

```
198 .
```

```
199 . firthlogit rivmultineg l_ratio_sterrmn terrmn l_ratio_srivmn_rivmn l_ratio_smarmn_marmn icowsal recmidwt cha_l_cinc_shar
> e jt dem duration duration2 duration3 if ir_three==2 & year<2002
```

```
initial:      penalized log likelihood = 7.2263919
rescale:      penalized log likelihood = 7.2263919
Iteration 0:  penalized log likelihood = 7.2263919 (not concave)
Iteration 1:  penalized log likelihood = 11.569035 (not concave)
Iteration 2:  penalized log likelihood = 12.332692 (not concave)
Iteration 3:  penalized log likelihood = 13.413098 (not concave)
Iteration 4:  penalized log likelihood = 14.052456 (not concave)
Iteration 5:  penalized log likelihood = 14.667839 (not concave)
Iteration 6:  penalized log likelihood = 15.793914 (not concave)
Iteration 7:  penalized log likelihood = 15.811156 (not concave)
Iteration 8:  penalized log likelihood = 16.022381 (not concave)
Iteration 9:  penalized log likelihood = 16.126763 (not concave)
Iteration 10: penalized log likelihood = 16.205617 (not concave)
Iteration 11: penalized log likelihood = 16.243998 (not concave)
Iteration 12: penalized log likelihood = 16.299066 (not concave)
Iteration 13: penalized log likelihood = 16.32699 (not concave)
Iteration 14: penalized log likelihood = 16.333245 (not concave)
Iteration 15: penalized log likelihood = 16.337918 (not concave)
Iteration 16: penalized log likelihood = 16.342013 (not concave)
Iteration 17: penalized log likelihood = 16.345703
Iteration 18: penalized log likelihood = 16.414397 (not concave)
Iteration 19: penalized log likelihood = 16.416836
Iteration 20: penalized log likelihood = 16.453667 (not concave)
Iteration 21: penalized log likelihood = 16.455824
Iteration 22: penalized log likelihood = 16.467808
Iteration 23: penalized log likelihood = 16.482975
Iteration 24: penalized log likelihood = 16.483363
Iteration 25: penalized log likelihood = 16.483377
Iteration 26: penalized log likelihood = 16.483377
```

```
Number of obs = 858
Wald chi2(10) = 5.61
Prob > chi2 = 0.8472
```

```
Penalized log likelihood = 16.483377
```

rivmultineg	Coefficient	Std. err.	z	P> z	[95% conf. interval]	
l_ratio_sterrmn terrmn	3.09989	1.954815	1.59	0.113	-.7314758	6.931256
l_ratio_srivmn_rivmn	1.315564	1.708015	0.77	0.441	-2.032084	4.663212
l_ratio_smarmn_marmn	.1899397	1.992013	0.10	0.924	-3.714335	4.094214
icowsal	.0992552	.4338292	0.23	0.819	-.7510344	.9495447
recmidwt	.2639873	.9878346	0.27	0.789	-1.672133	2.200108
cha_l_cinc_share	2.179799	2.413588	0.90	0.366	-2.550748	6.910345
jt dem	2.027469	1.569033	1.29	0.196	-1.04778	5.102718
duration	-.0629743	.104689	-0.60	0.547	-.268161	.1422124
duration2	.0008812	.0019977	0.44	0.659	-.0030343	.0047966
duration3	-3.09e-06	9.20e-06	-0.34	0.737	-.0000211	.0000149
_cons	-7.614704	4.44676	-1.71	0.087	-16.33019	1.100785

```
200 .
```

```
201 . estimates store t4m4
```

```
202 .
```

```
203 . firthlogit marmultineg l_ratio_terrnm_peacefulcm l_ratio_rivmn_peacefulcm l_ratio_marmn_peacefulcm icowsal recmidwt cha
> l_cinc_share jt dem duration duration2 duration3 if ir_three==2 & year<2002
```

```
initial:      penalized log likelihood = -24.05735
rescale:      penalized log likelihood = -24.05735
```

```

Iteration 0: penalized log likelihood = -24.05735 (not concave)
Iteration 1: penalized log likelihood = -20.71762 (not concave)
Iteration 2: penalized log likelihood = -18.612609
Iteration 3: penalized log likelihood = -16.31915 (not concave)
Iteration 4: penalized log likelihood = -15.061339 (not concave)
Iteration 5: penalized log likelihood = -14.320973 (not concave)
Iteration 6: penalized log likelihood = -14.139591 (not concave)
Iteration 7: penalized log likelihood = -13.695865 (not concave)
Iteration 8: penalized log likelihood = -13.46995 (not concave)
Iteration 9: penalized log likelihood = -13.314212 (not concave)
Iteration 10: penalized log likelihood = -13.251545 (not concave)
Iteration 11: penalized log likelihood = -13.168592
Iteration 12: penalized log likelihood = -13.080604 (not concave)
Iteration 13: penalized log likelihood = -13.021032 (not concave)
Iteration 14: penalized log likelihood = -12.957196
Iteration 15: penalized log likelihood = -12.737649
Iteration 16: penalized log likelihood = -12.640623 (not concave)
Iteration 17: penalized log likelihood = -12.473854 (not concave)
Iteration 18: penalized log likelihood = -12.450411 (not concave)
Iteration 19: penalized log likelihood = -12.442538 (not concave)
Iteration 20: penalized log likelihood = -12.439093
Iteration 21: penalized log likelihood = -12.343929 (not concave)
Iteration 22: penalized log likelihood = -12.338091
Iteration 23: penalized log likelihood = -12.293544
Iteration 24: penalized log likelihood = -12.292519
Iteration 25: penalized log likelihood = -12.2925
Iteration 26: penalized log likelihood = -12.2925

```

```

Number of obs = 858
Wald chi2(10) = 18.33
Prob > chi2 = 0.0497

```

```
Penalized log likelihood = -12.2925
```

marmultineg	Coefficient	Std. err.	z	P> z	[95% conf. interval]	
l_ratio_terrmn_peacefulcm	.0989863	2.119662	0.05	0.963	-4.055475	4.253447
l_ratio_rivmn_peacefulcm	24.58761	54.70545	0.45	0.653	-82.63309	131.8083
l_ratio_marmn_peacefulcm	7.618355	2.408669	3.16	0.002	2.897451	12.33926
icowsal	-.4312969	.1684045	-2.56	0.010	-.7613637	-.1012301
recmidwt	.6880917	.3754003	1.83	0.067	-.0476793	1.423863
chal_cinc_share	.9004025	1.163668	0.77	0.439	-1.380345	3.181151
jtdem	1.926738	.7995614	2.41	0.016	.359626	3.493849
duration	-.0720744	.0683133	-1.06	0.291	-.205966	.0618172
duration2	.0011613	.0013046	0.89	0.373	-.0013956	.0037183
duration3	-5.26e-06	6.42e-06	-0.82	0.413	-.0000178	7.33e-06
_cons	-2.535421	1.414733	-1.79	0.073	-5.308246	.2374038

```
204 .
```

```
205 . estimates store t4m5
```

```
206 .
```

```
207 . firthlogit marmultineg l_ratio_sterrmn_terrmn l_ratio_srivmn_rivmn l_ratio_smarmn_marmn icowsal recmidwt chal_cinc_shar
> e jtdem duration duration2 duration3 if ir_three==2 & year<2002
```

```

initial: penalized log likelihood = -18.991655
rescale: penalized log likelihood = -18.991655
Iteration 0: penalized log likelihood = -18.991655 (not concave)
Iteration 1: penalized log likelihood = -15.684269 (not concave)
Iteration 2: penalized log likelihood = -14.825809 (not concave)
Iteration 3: penalized log likelihood = -12.756944 (not concave)
Iteration 4: penalized log likelihood = -12.476458 (not concave)
Iteration 5: penalized log likelihood = -11.806867 (not concave)
Iteration 6: penalized log likelihood = -11.561322 (not concave)
Iteration 7: penalized log likelihood = -11.461342 (not concave)

```

```

Iteration 8: penalized log likelihood = -11.415547
Iteration 9: penalized log likelihood = -10.945996 (not concave)
Iteration 10: penalized log likelihood = -10.722417 (not concave)
Iteration 11: penalized log likelihood = -10.662678 (not concave)
Iteration 12: penalized log likelihood = -10.639881 (not concave)
Iteration 13: penalized log likelihood = -10.63249
Iteration 14: penalized log likelihood = -10.610624 (not concave)
Iteration 15: penalized log likelihood = -10.609218
Iteration 16: penalized log likelihood = -10.4897
Iteration 17: penalized log likelihood = -10.48766
Iteration 18: penalized log likelihood = -10.486883
Iteration 19: penalized log likelihood = -10.48686
Iteration 20: penalized log likelihood = -10.48686

```

Number of obs = 858

Wald chi2(10) = 11.30

Prob > chi2 = 0.3345

Penalized log likelihood = -10.48686

marmultineg	Coefficient	Std. err.	z	P> z	[95% conf. interval]	
l_ratio_sterrmn_terrnm	1.304271	4.64484	0.28	0.779	-7.799448	10.40799
l_ratio_srivmn_rivmn	.256513	1.533014	0.17	0.867	-2.748139	3.261165
l_ratio_smarmn_marmn	-.1780364	1.099518	-0.16	0.871	-2.333051	1.976978
icowsal	-.3585313	.1857196	-1.93	0.054	-.722535	.0054725
recmidwt	.6671475	.4176304	1.60	0.110	-.151393	1.485688
chal_cinc_share	.7849724	1.137312	0.69	0.490	-1.444117	3.014062
jtdem	2.2531	.8898745	2.53	0.011	.5089778	3.997222
duration	-.0716028	.0635354	-1.13	0.260	-.1961299	.0529243
duration2	.0011011	.0011682	0.94	0.346	-.0011886	.0033907
duration3	-4.68e-06	5.52e-06	-0.85	0.396	-.0000155	6.14e-06
_cons	-2.862423	1.632769	-1.75	0.080	-6.062592	.3377452

```

208 .
209 . estimates store t4m6

210 .
211 . *Figure A1 (online appendix)
212 . *This code produces the individual panels located within Figure A1. We reformatted each panel in Stata's Graph Editor f
> or presentational purposes. We then combined the individual four panels into a single figure using Stata's graph combin
> e command.
213 . coefplot (t1m1, offset(.25) label(Territorial)) (t1m2, offset(.25)) (t1m3, offset(0)) (t1m4, offset(0)) (t1m5, offset(-
> 0.25)) (t1m6, offset(-0.25)), xline(0) drop(_cons icowsal recmidwt chal_cinc_share jtdem duration duration2 duration3)
> byopts(xrescale legend(position(5)))

214 .
215 . coefplot (t2m1, offset(.25) label(Territorial)) (t2m2, offset(.25)) (t2m3, offset(0)) (t2m4, offset(0)) (t2m5, offset(-
> 0.25)) (t2m6, offset(-0.25)), xline(0) drop(_cons icowsal recmidwt chal_cinc_share jtdem duration duration2 duration3)
> byopts(xrescale legend(position(5)))

216 .
217 . coefplot (t3m1, offset(.25) label(Territorial)) (t3m2, offset(.25)) (t3m3, offset(0)) (t3m4, offset(0)) (t3m5, offset(-
> 0.25)) (t3m6, offset(-0.25)), xline(0) drop(_cons icowsal recmidwt chal_cinc_share jtdem duration duration2 duration3)
> byopts(xrescale legend(position(5)))

218 .
219 . coefplot (t4m1, offset(.25) label(Territorial)) (t4m2, offset(.25)) (t4m3, offset(0)) (t4m4, offset(0)) (t4m5, offset(-
> 0.25)) (t4m6, offset(-0.25)), xline(0) drop(_cons icowsal recmidwt chal_cinc_share jtdem duration duration2 duration3)
> byopts(xrescale legend(position(5)))

220 .
end of do-file

221 . log close

```

```
name: <unnamed>  
log: /Users/Owsiak/Dropbox/CM Territorial Issues (Mitchell and Owsiak)/ISA 2024/Environment and Security/Replicat  
> ion Files/Replication Log.smcl  
log type: smcl  
closed on: 18 Mar 2025, 14:52:23
```
